

CLAIMS

What is claimed is:

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1. A computer system comprising:

a processor coupled to bus;

a memory unit coupled to said bus;

a display screen coupled to said bus;

a digitizer coupled to said bus;

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a case for supporting said processor, said memory unit, said display screen and said digitizer, said case having a slot located therein for receiving a stylus;

a detector for detecting said stylus in said slot;

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a switch coupled to said detector for generating a signal to power up said processor, said display screen and said digitizer when said stylus is removed from said slot and wherein said switch is also for generating a signal to place said processor, said display screen and said digitizer into a power conservation mode when said stylus is inserted into said slot.

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2. A computer system as described in Claim 1 wherein said detector is located within said slot and is a mechanical detector.

3. A computer system as described in Claim 1 wherein said detector is located within said slot and is an optical detector.

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4. A computer system as described in Claim 1 wherein said detector is located within said slot and is an electrical detector.

5. A computer system as described in Claim 1 wherein said computer system is a palmtop computer system.

5 6. A computer system as described in Claim 1 further comprising a battery, wherein said battery constantly supplies power to said memory unit but selectively supplies power to said processor, said display screen and said digitizer based on a mode of said switch.

10 7. A computer system as described in Claim 1 and further comprising an on/off button for placing said processor, said display screen and said digitizer into said power conservation mode when pressed while said computer system is powered on and wherein said on/off button is for powering on said processor, said display screen and said digitizer when pressed while said
15 computer system is in said power conservation mode.

8. A computer system as described in Claim 1 wherein said digitizer comprises:

20 a first region for capturing stroke data associated with alphabetic characters and not numeric characters; and

a second region for capturing stroke data associated with numeric characters and not alphabetic characters.

25 9. A computer system as described in Claim 8 wherein said digitizer is separate in area from said display screen.

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10. In a computer system comprising a processor, a memory unit, a display screen and a digitizer, a method of using said computer system comprising the steps of:

5 a) detecting a user removing a stylus from a slot in a case, said case supporting said processor, said memory unit, said display screen and said digitizer;

b) responsive to said step a), automatically placing said processor, said display screen and said digitizer in a full power-up mode to power-up said computer system;

10 c) detecting a user inserting said stylus into said slot of said case;

d) responsive to said step c), automatically placing said processor, said display screen and said digitizer in a power conservation mode to power-down said computer system.

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15 11. A method as described in Claim 10 wherein said steps a) and b) are implemented using a detector mounted in said slot of said case and a switch.

20 12. A method as described in Claim 11 wherein said detector is a mechanical detector.

13. A method as described in Claim 11 wherein said detector is an optical detector.

25 14. A method as described in Claim 11 wherein said detector is an electrical detector.

15. A method as described in Claim 10 wherein said computer system is a palmtop computer system.

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16. A method as described in Claim 10 further comprising the step of
5 constantly supplying power to said memory unit.

17. A method as described in Claim 10 wherein said computer system further comprises an on/off button and further comprising the steps of:

e) provided said computer system is powered-up, powering-down said
10 processor, said display screen and said digitizer when said on/off button is pressed; and

f) provided said computer system is powered-down, powering-up said
processor, said display screen and said digitizer when said on/off button is
15 pressed.

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18. A computer system comprising:

a processor coupled to bus;
a memory unit coupled to said bus;
a display screen coupled to said bus;
20 a digitizer coupled to said bus;

a case for supporting said processor, said memory unit, said display
screen and said digitizer, said case having a slot located therein for receiving a
hinge attached to a protective cover;

a detector for detecting positions of said hinge within said slot;
25 switch coupled to said detector for generating a signal to automatically
power up said processor, said display screen and said digitizer when said
hinge is rotated such that said cover is not laid over said display screen and

wherein said switch is also for generating a signal to automatically place said processor, said display screen and said digitizer into a power conservation mode when said hinge is rotated such that said cover is laid over said display screen.

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19. A computer system as described in Claim 18 wherein said detector is located within said slot.

10 20. A computer system as described in Claim 19 wherein said detector is an electrical detector.

21. A computer system as described in Claim 18 wherein said computer system is a palmtop computer system.

15 22. A computer system as described in Claim 18 further comprising a battery, wherein said battery constantly supplies power to said memory unit but selectively supplies power to said processor, said display screen and said digitizer based on a mode of said switch.

20 23. A computer system as described in Claim 18 and further comprising an on/off button for placing said processor, said display screen and said digitizer into said power conservation mode when pressed while said computer system is powered up and wherein said on/off button is for powering up said processor, said display screen and said digitizer when pressed while
25 said computer system is in said power conservation mode.

24. A computer ~~system~~ as described in Claim 18 wherein said digitizer

a first region for capturing stroke data associated with alphabetic

a second region for capturing stroke data associated with numeric

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0	0	1	4	9	16	25	36	49	64	81	100	121	144	169	196	225	256	289	324	361	400	441	484	529	576	625	676	729	784	841	900	961	1024	1089	1156	1225	1296	1369	1444	1521	1600	1681	1764	1849	1936	2025	2116	2209	2304	2401	2500	2601	2704	2809	2916	3025	3136	3249	3364	3481	3600	3721	3844	3969	4096	4225	4356	4489	4624	4761	4900	5041	5184	5329	5476	5625	5776	5929	6084	6241	6400	6561	6724	6889	7056	7225	7396	7569	7744	7921	8100	8281	8464	8649	8836	9025	9216	9409	9604	9801	10000